

| Ref # | Hits    | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|-----------------|------------------|---------|------------------|
| S2    | 339566  | titanium or ti  | US-PGPUB; USPAT | OR               | ON      | 2004/11/04 17:13 |
| S3    | 1592445 | film or layer or coating  | US-PGPUB; USPAT | OR               | ON      | 2004/10/20 16:46 |
| S4    | 193891  | oxide near5 (film or layer or coating)  | US-PGPUB; USPAT | OR               | ON      | 2004/11/04 17:13 |
| S5    | 31089   | (titanium or ti) same (oxide near5 (film or layer or coating))  | US-PGPUB; USPAT | OR               | ON      | 2004/10/20 16:49 |
| S6    | 38640   | "148"/\$.ccls.  | US-PGPUB; USPAT | OR               | ON      | 2004/10/20 16:49 |
| S7    | 886     | ((titanium or ti) same (oxide near5 (film or layer or coating))) and "148"/\$.ccls.                                 | US-PGPUB; USPAT | OR               | ON      | 2004/10/20 16:50 |
| S8    | 42056   | surface:near2 roughness   | US-PGPUB; USPAT | OR               | ON      | 2004/10/20 16:50 |
| S9    | 90      | (((titanium or ti) same (oxide near5 (film or layer or coating))) and "148"/\$.ccls.) and (surface near2 roughness) | US-PGPUB; USPAT | OR               | ON      | 2004/11/04 17:11 |
| S11   | 1489    | (surface near2 roughness) with rz   | US-PGPUB; USPAT | OR               | ON      | 2005/04/01 14:21 |
| S12   | 36      | "148"/\$.ccls. and ((surface near2 roughness) with rz)  | US-PGPUB; USPAT | OR               | ON      | 2004/11/03 14:38 |
| S13   | 195182  | oxide near5 (film or layer or coating)  | US-PGPUB; USPAT | OR               | ON      | 2004/11/03 13:55 |
| S14   | 6090    | (surface near2 roughness) with thick\$4   | US-PGPUB; USPAT | OR               | ON      | 2004/11/03 13:56 |
| S15   | 341408  | titanium or ti  | US-PGPUB; USPAT | OR               | ON      | 2004/11/03 13:56 |
| S16   | 306     | (oxide near5 (film or layer or coating) ) same ((surface near2 roughness) with thick\$4)                            | US-PGPUB; USPAT | OR               | ON      | 2005/04/01 14:24 |
| S17   | 161     | (titanium or ti ) and ((oxide near5 (film or layer or coating) ) same ((surface near2 roughness) with thick\$4))    | US-PGPUB; USPAT | OR               | ON      | 2004/11/03 13:56 |
| S18   | 37      | (titanium or ti ) same ((oxide near5 (film or layer or coating) ) same ((surface near2 roughness) with thick\$4))   | US-PGPUB; USPAT | OR               | ON      | 2004/11/03 13:57 |
| S22   | 840     | 148/240:ccls. or 148/276:ccls. or 148/277:ccls. or 148/281:ccls.  | US-PGPUB; USPAT | OR               | ON      | 2004/11/04 17:12 |
| S23   | 341993  | titanium or ti  | US-PGPUB; USPAT | OR               | ON      | 2004/11/04 17:13 |

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|-----|---------|--|------------------------|----|----|------------------|
| S24 | 221665  | oxid\$5 near5 (film or layer or coating)   | US-PGPUB; USPAT        | OR | ON | 2004/11/04 17:13 |
| S25 | 84210   | ((titanium or ti ) and (oxid\$5 near5 (film or layer or coating)))   | US-PGPUB; USPAT        | OR | ON | 2004/11/04 17:13 |
| S26 | 219     | (148/240.ccls. or 148/276.ccls. or 148/277.ccls. or 148/281.ccls. ) and ((titanium or ti ) and (oxid\$5 near5 (film or layer or coating))) | US-PGPUB; USPAT        | OR | ON | 2004/11/04 17:13 |
| S27 | 48171   | (coating or oxide or surface) near2 roughness  | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/01 14:21 |
| S28 | 1456229 | thickness  | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/01 14:22 |
| S29 | 261813  | oxid\$5 near5 (film or layer or coating)   | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/01 14:24 |
| S30 | 41592   | (ti or titanium) adj2 (base\$1 or alloy)   | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/01 14:25 |
| S31 | 12708   | S27 same S28   | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/01 14:25 |
| S32 | 12708   | S27 same S28   | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/01 14:25 |
| S33 | 686     | S30 and S32  | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/01 14:25 |
| S34 | 53779   | "148"/\$.ccls.   | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/01 14:26 |
| S35 | 27      | S34 and S33  | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/01 14:26 |